

ABSTRACT

5 Ultrasonic visualisation of a subject, particularly of
perfusion in the myocardium and other tissues, is performed
using novel gas-containing contrast agent preparations
which promote controllable and temporary growth of the gas
phase *in vivo* following administration and can therefore
act as deposited perfusion tracers. The preparations
include a coadministerable composition comprising a
10 diffusible component capable of inward diffusion into the
dispersed gas phase to promote temporary growth thereof.
In cardiac perfusion imaging the preparations may
advantageously be coadministered with vasodilator drugs
such as adenosine in order to enhance the differences in
15 return signal intensity from normal and hypoperfused
myocardial tissue respectively.